

AMENDMENT TO THE CLAIMS

Please cancel claim 1.

Please add new claims 2—16.

1. (Canceled)

2. (New) A system for streaming audio, the system comprising:
a first computing device coupled to a network, the first computing device comprising a receiver module configured to receive an audio data stream comprising audio content via the network and to play the audio content on an audio output device;

a second computing device coupled to the network, the second computing device comprising a browser module configured to generate a user interface for receiving an audio content identification identifying audio content and a receiver identification identifying the receiver module; and

a third computing device coupled to the network, the third computing device comprising a content server module, the browser module being configured to send a command to the content server module instructing the content server module to obtain audio data comprising the audio content identified by the audio content identification and stream the audio data to the receiver module identified by the receiver identification, the content server module being configured to receive the command from the browser module, and in response thereto, obtain the audio data, and stream the audio data to the receiver module,

the receiver module being further configured to send a receiver announcement to other computing devices coupled to the network announcing implementation of the receiver module on the first computing device, each of the browser module and the content server module being unaware of the implementation of the receiver module before receiving the receiver announcement,

the browser module being further configured to send a browser announcement to other computing devices coupled to the network announcing implementation of the browser module on the second computing device, each of the receiver module and the content server module being unaware of the implementation of the browser module before receiving the browser announcement, and

the content server module being further configured to send a content server announcement to other computing devices coupled to the network announcing implementation of the content server module on the third computing device, each of the browser module and the receiver module being unaware of the implementation of the content server module before receiving the content server announcement.

3. (New) The system of claim 2, further comprising:

a plurality of registered audio data sources connected to the network, wherein the command sent by the browser module identifies one of the registered audio data sources, and the audio data streamed to the receiver module is obtained by the content server module from the identified registered audio data source.

4. (New) The system of claim 3, wherein the network is connected to the Internet and at least a portion of the plurality of registered audio data sources are connected to the content server module via the Internet.

5. (New) The system of claim 3, wherein the content server module further comprises a file crawler configured to locate audio data files on the plurality of registered audio data sources and provide information associated with the located audio data files to the browser module, the user interface of the browser module displays at least a portion of the information associated with the located audio data files, and the audio content identification received by the browser module identifies a selected one or more of the located audio data files.

6. (New) The system of claim 2, wherein the third computing device further comprises a local storage device comprising audio data, and the audio data streamed to the receiver module is obtained by the content server module from the local storage device.

7. (New) The system of claim 2, wherein the receiver module is a first receiver module, the audio output device is a first audio output device, the receiver announcement is a first receiver announcement, and the system further comprises:

a fourth computing device coupled to the network, the fourth computing device comprising a second receiver module configured to receive an audio data stream comprising audio content via the network and to play the audio content on a second audio output device,

the content server module is further configured to send the content server announcement to the second receiver module, and

the second receiver module is configured to:

send a second receiver announcement to other computing devices coupled to the network announcing implementation of the second receiver module on the fourth computing device, each of the first receiver module, the browser module, and the content server module being unaware of the implementation of the second receiver module before receiving the second receiver announcement;

receive the content server announcement sent by the content server module, the second receiver module being unaware of the implementation of the content server module before receiving the content server announcement; and

after receiving the content server announcement, play audio data streamed to the second receiver module by the content server module, wherein the receiver identification included in the command sent to the content server module by the browser module indicates to which of the first receiver module and

the second receiver module the audio data is to be streamed, and the content server module is further configured to identify to which of the first receiver module and the second receiver module the audio data is to be streamed based on the receiver identification, and stream the audio data to the identified receiver module.

8. (New) The system of claim 2, wherein the receiver module is a first receiver module, the audio output device is a first audio output device, the receiver announcement is a first receiver announcement, and the system further comprises:

a fourth computing device coupled to the network, the fourth computing device comprising a second receiver module configured to receive an audio data stream comprising audio content via the network and to play the audio content on a second audio output device,

the content server module is further configured to send the content server announcement to the second receiver module, and

the second receiver module is configured to:

send a second receiver announcement to other computing devices coupled to the network announcing implementation of the second receiver module on the fourth computing device, each of the first receiver module, the browser module, and the content server module being unaware of the implementation of the second receiver module before receiving the second receiver announcement;

receive the content server announcement sent by the content server module, the second receiver module being unaware of the implementation of the content server module before receiving the content server announcement; and

after receiving the content server announcement, playing audio data streamed thereto by the content server module,

the browser module being further configured to instruct the content server module to stop streaming the audio data to the first receiver module and

start streaming the audio data to the second receiver module, the content server module being further configured to receive the instruction, stop the streaming of the audio data to the first receiver module, and stream the audio data to the second receiver module.

9. (New) The system of claim 2, wherein the first computing device and the second computing device are implemented by a single computing device.

10. (New) The system of claim 2, wherein the first computing device and the third computing device are implemented by a single computing device.

11. (New) The system of claim 2, wherein the second computing device and the third computing device are implemented by a single computing device.

12. (New) The system of claim 2, wherein the content server module further comprises a list of audio data files,
the content server module is further configured to provide information associated with the audio data files to the browser module,
the user interface generated by the browser module displays at least a portion of the information associated with the audio data files and receives an indication of a selection of at least one of the audio data files, and
the audio content identifier included in the command sent by the browser module to the content server module identifies the selected audio data file.

13. (New) The system of claim 12, wherein the list of audio data files is a format specific playlist, the content server module further comprises a play-list parser configured to convert the format specific playlist into a generic file

list.

14. (New) A method of streaming audio performed by a computing system comprising a first computing device configured to implement a receiver feature, a second computing device configured to implement a browser feature, and a third computing device configured to implement a content server feature, the method comprising:

- sending a receiver announcement from the first computing device to the second and third computing devices announcing the implementation of the receiver feature on the first computing device, each of the browser feature and the content server feature being previously unaware of the implementation of the receiver feature before receiving the receiver announcement;

- sending a browser announcement from the second computing device to the first and third computing devices announcing the implementation of the browser feature on the second computing device, each of the receiver feature and the content server feature being unaware of the implementation of the browser feature before receiving the browser announcement;

- sending a content server announcement from the third computing device to the first and second computing devices announcing the implementation of the content server feature on the third computing device, each of the browser module and the receiver module being unaware of the implementation of the content server feature before receiving the content server announcement;

- at the browser feature, receiving the receiver and content server announcements;

- after the browser feature receives the receiver and content server announcements, sending a command from the browser feature to the content server feature instructing the content server feature to obtain audio data and stream the audio data to the receiver feature;

- at the content server feature, receiving the receiver and browser announcements;

- after the content server feature receives the receiver and browser

announcements, at the content server feature, receiving the command from the browser feature, and in response thereto, obtaining the audio data and streaming the audio data to the receiver feature;

at the receiver feature, receiving the content server announcement;

and

after the receiver feature receives the content server announcement, at the receiver feature, playing audio data streamed to the receiver feature by the content server feature.

15. (New) A method of streaming audio performed by a plurality of modules coupled to a network and each having a module type, the module type of at least one of the plurality of modules being a receiver type, the type of at least a first different one of the plurality of modules being a browser type, and the type of at least a second different one of the plurality of modules being a content server type, before implementation, each of the plurality of modules being unaware of others of the plurality of modules, the method comprising:

upon implementation, each of the plurality of modules sending implementation announcements to others of the modules over the network identifying the type of the module;

at each of the plurality of modules, receiving the implementation announcements sent by others of the modules over the network;

at each module of the browser type, using ones of the implementation announcements identifying modules of the receiver type to construct a list of receiver modules;

at each module of the content server type, constructing a list of audio content selections;

at a selected browser module, obtaining a list of available audio content selections from a selected module of the plurality of modules of the content server type;

at the selected browser module, generating a user interface displaying the list of available audio content selections and the list of receiver

modules;

at the selected browser module, receiving an audio selection
identifying one of the displayed audio content selections and a receiver selection
identifying one of the displayed receiver modules from the user interface;

sending the audio selection and the receiver selection from the
selected browser module to the selected content server module;

at the selected content server module, obtaining the audio selection
and streaming the audio selection to the receiver module identified by the
receiver selection; and

at the receiver module identified by the receiver selection, playing
the audio selection streamed thereto by the selected content server module.

16. (New) The method of claim 15, further comprising:

at each module of the content server type, using ones of the
implementation announcements identifying modules of the browser type to
construct a list of browser modules.